

PATENT ABSTRACTS OF JAPAN

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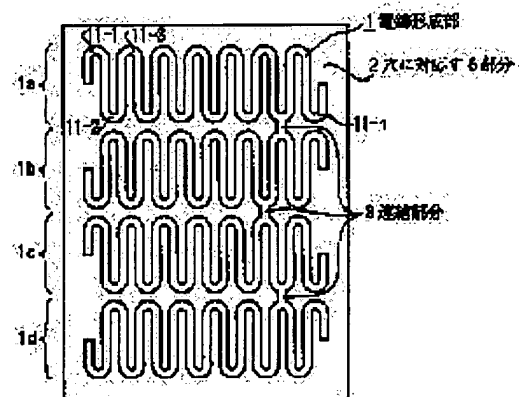
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(54) STENT AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a stent which is capable of escaping from the limit by the conventional method, is mass-productively manufactured with an easy operation, substantially expands the degree of freedom of the length, shape and material corresponding to required conditions, is smoothly inserted into a blood vessel, is deformed by readily following up the shape of the blood vessel when inserted into the blood vessel, and surely uniformizes the expansion by a balloon and maintains the shape thereof after detained.

SOLUTION: For instance, the printing for making a part 2 to be hole in a product to a non-conductor part is conducted on the peripheral surface of a stainless steel round bar of 2 to 3 mm in diameter. After ink is dried, the electroforming treatment is conducted with a prescribed metal. The prescribed metal is electrodeposited on a part other than the non-conductor part. Thereafter, the stainless steel round bar is drawn and the remaining prescribed metal electrodeposition formed part 1 becomes the stent. The electrodeposition formed part 1 shown in the figure is constituted of plural pseudo circular units and each unit is connected with a juncture 3 which couples one U-shaped part. Since the stent is manufactured by electroforming, the degree of freedom of the length, shape and material is expanded corresponding to the conditions, thus assuring the resolution of the conventional stent problems.



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